

## FIGURE 1.

GCGCGCCGGC CTGAGAGCCC TGTGGACAAC CTCGTATTG TCAGGCACAG  
 AGCGGTAGAC CCTGCTTCTC TAAGTGGCA GCGGACAGCG GCACGCACAT  
 TTCACCTGTC CCGCAGACAA CAGCACCATC TGCTTGGGAG AACCTCTCC  
 CTTCTCTGAG AAAGAAAGAT GTCGAATGGG TATTCCACAG ACGAGAATT  
 CCGCTATCTC ATCTCGTGCT TCAGGGCCAG GGTGAAATG TACATCCAGG  
 TGGAGCCTGT GCTGGACTAC CTGACCTTTC TGCCTGCAGA GGTGAAGGAG  
 CAGATTAGA GGACAGTCGC CACCTCCGGG AACATGCAGG CAGTTGAAC  
 GCTGCTGAGC ACCTTGGAGA AGGGAGTCTG GCACCTTGGT TGGACTCGGG  
 AATTCTGGA GGCCCTCCGG AGAACCGGA GCCCTCTGGC CGCCCGCTAC  
 ATGAACCTTG AGCTCACCGA CTTGCCCTCT CCATCGTTG AGAACGCTCA  
 TGATGAATAT CTCCAACACTGC TGAACCTCCT TCAGCCCCTCT GGGTGGACA  
 AGCTTCTAGT TAGAGACGTC TTGGATAAGT GCATGGAGGA GGAACGTGTTG  
 ACAATTGAAG ACAGAAACCG GATTGCTGCT GCAGAAAACA ATGGAAATGA  
 ATCAGGTGTA AGAGAGCTAC TAAAAAGGAT TGTGCAGAAA GAAAACGGT  
 TCTCTGCATT TCTGAATGTT CTTCGTCAAA CAGGAAACAA TGAACCTGTC  
 CAAGAGTTAA CAGGCTCTGA TTGCTCAGAA AGCAATGCAG AGATTGAGAA  
 TTTATCACAA GTTGATGGTC CTCAAGTGGA AGAGCAACTT CTTCAACCA  
 CAGTCAGCC AAATCTGGAG AAGGAGGTCT GGGGCATGGA GAATAACTCA  
 TCAGAATCAT CTTTGCAGA TTCTTCTGTA GTTTCAGAAAT CAGACACAAAG  
 TTTGGCAGAA GGAAGTGTCA GCTGCTTAGA TGAAAGTCTT GGACATAACA  
 GCAACATGGG CAGTGATTCA GGCACCATGG GAAGTGATTG AGATGAAGAG  
 AATGTGGCAG CAAGAGCATC CCCGGAGCCA GAACTCCAGC TCAGGCCTTA  
 CCAAATGGAA GTTGCCCAGC CAGCCTTGGA AGGGAAGAAT ATCATCATCT  
 GCCTCCCTAC AGGGAGTGGA AAAACCAGAG TGGCTGTTA CATTGCCAAG  
 GATCACTTAG ACAAGAAGAA AAAAGCATCT GAGCCTGGAA AAGTTATAGT  
 TCTTGTCAAT AAGGTACTGC TAGTTGAACA GCTCTTCCGC AAGGAGTTCC  
 AACCATTTTT GAAGAAATGG TATCGTGTGTTA TTGGATTAAG TGGTGATACC  
 CAACTGAAAA TATCATTTCAGA AGAAGTTGTC AAGTCCTGTG ATATTATT  
 CAGTACAGCT CAAATCCTG AAAACTCCCT CTTAAACTTG GAAAATGGAG  
 AAGATGCTGG TGTTCAATTG TCAGACTTTT CCCTCATTAT CATTGATGAA  
 TGTCACTACA CCAACAAAGA AGCAGTGTAT AATAACATCA TGAGGCATTA  
 TTTGATGCAG AAGTTGAAAA ACAATAGACT CAAGAAAGAA AACAAACCAAG  
 TGATTCCCT TCCTCAGATA CTGGGACTAA CAGCTTCACC TGGTGTTGGA  
 GGGGCCACGA AGCAAGCCAA AGCTGAAGAA CACATTTAA AACTATGTGC

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CAATCTTGAT GCATTTACTA TTAAAATGT TAAAGAAAAC CTTGATCAAC  
TGAAAAACCA AATACAGGAG CCATGCAAGA AGTTTGCCAT TGCAGATGCA  
ACCAGAGAAG ATCCATTAA AGAGAAACTT CTAGAAATAA TGACAAGGAT  
TCAAACCTAT TGTCAAATGA GTCCAATGTC AGATTTGGA ACTCAACCCT  
ATGAACAATG GGCCATTCAA ATGGAAAAAA AAGCTGCAAA AAAAGGAAAT  
CGCAAAGAAC GTGTTGTGC AGAACATTG AGGAAGTACA ATGAGGCCCT  
ACAAATTAAT GACACAATTG GAATGATAGA TGCGTATACT CATCTTGAAA  
CTTTCTATAA TGAAAGAGAAA GATAAGAAGT TTGCAGTCAT AGAAGATGAT  
AGTGATGAGG GTGGTGATGA TGAGTATTGT GATGGTGATG AAGATGAGGA  
TGATTTAAAG AACCTTTGA AACTGGATGA AACAGATAGA TTTCTCATGA  
CTTTATTTTG TGAAAACAAT AAAATGTTGA AAAGGCTGGC TGAAAACCCA  
GAATATGAAA ATGAAAAGCT GACCAAATTA AGAAATACCA TAATGGAGCA  
ATATACTAGG ACTGAGGAAT CAGCACCGAGG AATAATCTT ACAAAAACAC  
GACAGAGTGC ATATGCGCTT TCCCAGTGGA TTACTGAAAA TGAAAATT  
GCTGAAGTAG GAGTCAAAGC CCACCACCTG ATTGGAGCTG GACACAGCAG  
TGAGTTCAAA CCCATGACAC AGAATGAACA AAAAGAAGTC ATTGTAAT  
TTCGCACTGG AAAAATCAAT CTGCTTATCG CTACCACAGT GGCAGAAGAA  
GGTCTGGATA TTAAAGAATG TAACATTGTT ATCCGTTATG GTCTCGTCAC  
CAATGAAATA GCCATGGTCC AGGCCCGTGG TCGAGCCAGA GCTGATGAGA  
GCACCTACGT CCTGGTTGCT CACAGTGGTT CAGGAGTTAT CGAACATGAG  
ACAGTTAATG ATTTCCGAGA GAAGATGATG TATAAAGCTA TACATTGTGT  
TCAAAATATG AAACCAGAGG AGTATGCTCA TAAGATTTG GAATTACAGA  
TGCAAAGTAT AATGGAAAAG AAAATGAAAAA CCAAGAGAAA TATTGCCAAG  
CATTACAAGA ATAACCCATC ACTAATAACT TTCCCTTGCA AAAACTGCAG  
TGTGCTAGCC TGTTCTGGGG AAGATATCCA TGTAATTGAG AAAATGCATC  
ACGTCAATAT GACCCAGAA TTCAAGGAAC TTTACATTGT AAGAGAAAAC  
AAAGCACTGC AAAAGAAGTG TGCCGACTAT CAAATAATG GTGAAATCAT  
CTGCAAATGT GGCCAGGCTT GGGGAACAAT GATGGTGAC AAAGGCTTAG  
ATTTGCCTTG TCTAAAATA AGGAATTTG TAGTGGTTT CAAAATAAT  
TCAACAAAGA AACAAATACAA AAAGTGGTA GAATTACCTA TCACATTTCC  
CAATCTTGAC TATTCTAGAAT GCTGTTTATT TAGTGTGAG GATTAGCACT  
TGATTGAAGA TTCTTTAAA ATACTATCAG TTAAACATT AATATGATTA  
TGATTAATGT ATTCTATTATG CTACAGAACT GACATAAGAA TCAATAAAAT  
GATTGTTTA CTCTG

**FIGURE 2.**

MSNGYSTDEN FRYLISCFRA RVKMYIQVEP VLDYLTFLPA EVKEQIQRTV  
 ATSGNMQAVE LLLSTLEKGV WHLGWTREFV EALRRTGSPL AARYMNPELT  
 DLPSPSFENA HDEYLQLLNL LQPTLVDKLL VRDVLDKCME EELLTIEDRN  
 RIAAAENNGN ESGVRELLKR IVQKENWFSA FLNVLRQTGN NELVQELTGS  
 DCSESNAEIE NLSQVDGPQV EEQLLSTTVQ PNLEKEVWGM ENNSSESSFA  
 DSSVVSESDT SLAEGSVSCL DESLGHNSNM GSDSGTMGSD SDEENVAARA  
 SPEPELQLRP YQMEVAQPAL EGKNIIICLP TGSGKTRVAV YIAKDHLDKK  
 KKASEPGKVI VLVNKVLLVE QLFRKEFQPF LKKWYRVIGL SGDTQLKISF  
 PEVVKSCDII ISTAQILENS LLNLLENGEDA GVQLSDFSLI IIIDECHHTNK  
 EAVYNNIMRH YLMQKLKNR LKKENKPVIP LPQILGLTAS PGVGGATKQA  
 KAEEHILKLC ANLDAFTIKT VKENLDQLKN QIQEPCKKFA IADATREDPF  
 KEKLLEIMTR IQTYCQMSPM SDFGTQPYEQ WAIQMEKKAA KKGNRKERVC  
 AEHLRKYNEA LQINDTIRMI DAYTHLETFY NEEKDKKFAV IEDDSDEGGD  
 DEYCDGDEDE DDLKKPLKLD ETDRFLMTLF FENNKMLKRL AENPEYENEK  
 LTKLRNTIME QYTRTEESAR GIIFTKTRQS AYALSQWITE NEKFAEVGVK  
 AHHLIGAGHS SEFKPMTQNE QKEVISKFRT GKinLLIATT VAEEGLDIKE  
 CNIVIRYGLV TNEIAMVQAR GRARADESTY VLVAHSGSGV IEHETVNDFR  
 EKMMYKAIHC VQNMKPEEYA HKILELQMQS IMEKKMKTKR NIAKHYKNP  
 SLITFLCKNC SVLACSGEDI HVIEKMHVN MTPEFKELYI VRENKALQKK  
 CADYQINGEI ICKCGQAWGT MMVHKGLDLP CLKIRNFVVV FKNNSTKKQY  
 KKWVELPITF PNLDYSECCF FSDED•

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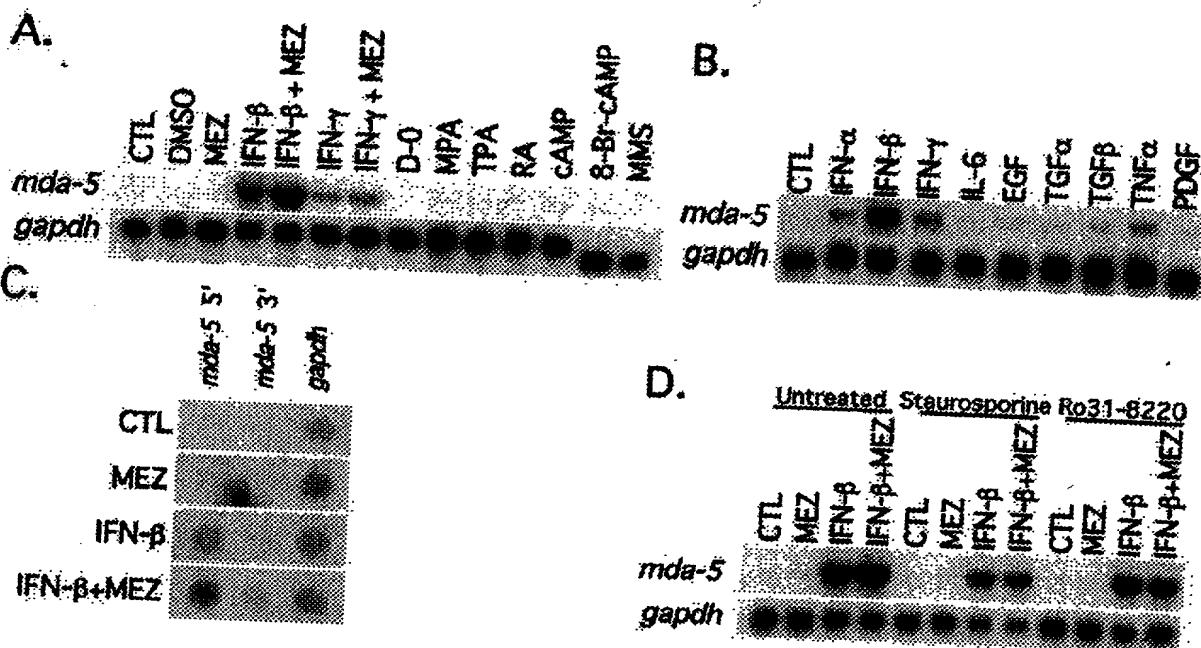
FIGURE 3

gcacatttg	cctacaaag	acatttttg	taaggcaga	cctgctggg
aaaacaaaat	tccgcccga	gagtttgt	gagcgttgg	cttgggtgc
agagagaatt	gcttcctt	tctgtttcc	gcgggtgtcc	taaccaaag
gcctcctctc	tcacccgccc	cgacccaaa	gtggcgtct	cctgaggaa
actccctccc	gccaggcag	ttacgttta	aaagtcttg	gaagagaat
cgaacacagaa	ccaaagtca	gcaaactct	taagaactg	ctgacagaa
agctggactc	aagtcctta	ccgagtgtg	agcaggatc	ccccggtcc
gggaccccag	cgcacacgg	agagtccaa	gtgcccgc	tgcggcccg
cacctgcctg	cgcggccccc	cgcgcgc	cgcgtccca	ctgcccgc
tgcccacctg	ccaggtgcg	gtgcagccc	gcgcgcgg	ctgagagcc
ctgtggacaa	ctcgtcatt	tcaggcaca	agcggtaga	cctgcttct
ntaagtgggc	gcggacagc	gcacgcaca	ttcacctgt	ccgcagaca
ctgctggga	aaccctctc	cttctctga	aaagaaaga	gtcgaatgg
gtattccaca	acgagaatt	ccgctatct	atctcgtgc	tcagggcca
gggtgaaaat	tacatccag	tggagcctg	gctggacta	ctgaccttt
ctgcctgcag	ggtgaagga	cagattcag	ggacagtcg	cacctccgg
gaacatgcag	cagttgaac	gctgctgag	acttggag	agggagtc
ggcaccttgg	tggactcgg	aattcgtgg	ggccctccg	agaaccggc
agccctctgg	cgcggctta	atgaaccct	agctcacgg	cttgccttc
tccatcgtt	agaacgctc	tgatgaata	ctccaactg	tgaacctcc
ttcagccac	ctgggtggac	agott		

## FIGURE 4

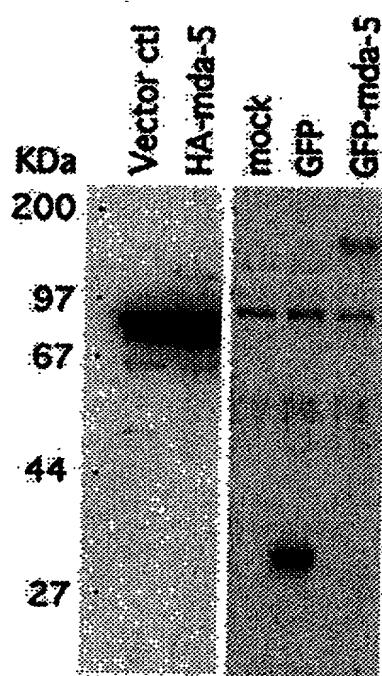
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## FIGURE 5 A-D

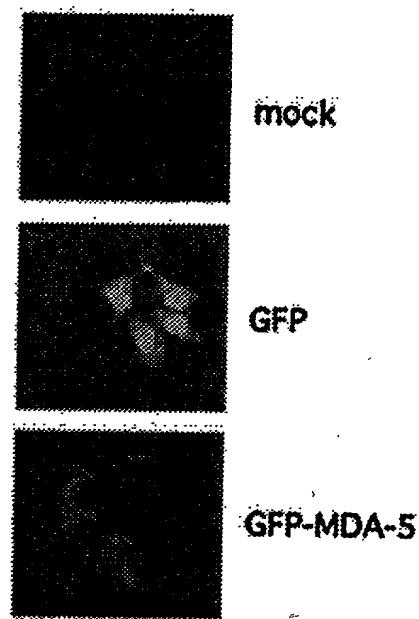


## FIGURE 6 A-B

A.



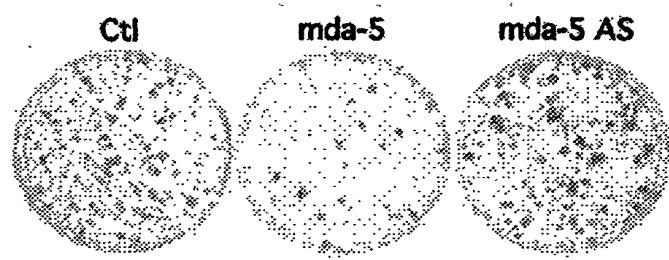
B.



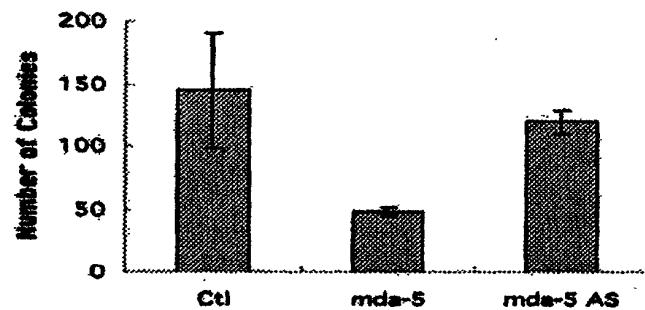
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## FIGURE 7 A-B

A.



B.



**FIGURE 8 A-D**

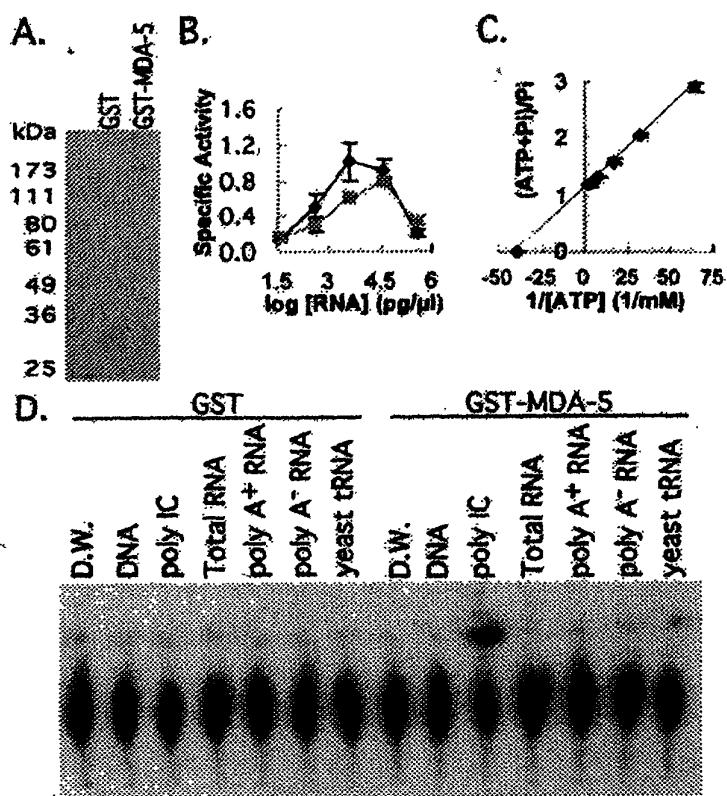


FIGURE 9

GCGCGCCGGC CTGAGAGCCC TGTGGACAAC CTCGTCATTG TCAGGCACAG  
 AGCGGTAGAC CCTGCTCTC TAAGTGGCA GCGGACAGCG GCACGCACAT  
 TTCACCTGTC CCGCAGACAA CAGCACCAC TGCTTGGAG AACCTCTCC  
 CTTCTCTGAG AAAGAAAGAT GTCGAATGGG TATTCCACAG ACGAGAATT  
 CCGCTATCTC ATCTCGTGCT TCAGGGCCAG GGTGAAAATG TACATCCAGG  
 TGGAGCCTGT GCTGGACTAC CTGACCTTTC TGCTGCAGA GGTGAAGGAG  
 CAGATTAGA GGACAGTCGC CACCTCCGG AACATGCAGG CAGTTGAAC  
 GCTGCTGAGC ACCTTGGAGA AGGGAGTCTG GCACCTTGGT TGGACTCGGG  
 AATTCTGGA GGCCCTCCGG AGAACCGGCA GCCCTCTGGC CGCCCGCTAC  
 ATGAACCTG AGCTCACCGA CTTGCCCTCT CCATCGTTG AGAACGCTCA  
 TGATGAATAT CTCCAACCTGC TGAACCTCCT TCAGCCCAC ACTGGTGGACA  
 AGCTTCTAGT TAGAGACGTC TTGGATAAGT GCATGGAGGA GGAACGTGTTG  
 ACAATTGAAG ACAGAAACCG GATTGCTGCT GCAGAAAACA ATGGAATGA  
 ATCAGGTGTA AGAGAGCTAC TAAAAAGGAT TGTGCAGAAA GAAAACGTGGT  
 TCTCTGCATT TCTGAATGTT CTTCGTCAAA CAGGAAACAA TGAACCTGTC  
 CAAGAGTTAA CAGGCTCTGA TTGCTCAGAA AGCAATGCAG AGATTGAGAA  
 TTTATCACAA GTTGATGGTC CTCAAGTGGA AGAGCAACTT CTTTCAACCA  
 CAGTTCAGCC AAATCTGGAG AAGGAGGTCT GGGGCATGGA GAATAACTCA  
 TCAGAACATCAT CTTTGCGAGA TTCTTCTGTA GTTTCAGAAT CAGACACAAAG  
 TTTGGCAGAA GGAAGTGTCA GCTGCTTAGA TGAAAGTCTT GGACATAACA  
 GCAACATGGG CAGTGATTCA GGCACCATGG GAAGTGATTC AGATGAAGAG  
 AATGTGGCAG CAAGAGCAGC TCCGGAGCCA GAACTCCAGC TCAGGCCTTA  
 CCAAATGGAA GTTGCCCAGC CAGCCTTGGA AGGGAAGAAT ATCATCATCT  
 GCCTCCCTAC AGGGAGTGGA AAAACCAAGAG TGGCTGTTA CATTGCCAAG  
 GATCACTTAG ACAAGAAGAA AAAAGCATCT GAGCCTGGAA AAGTTATAGT  
 TCTTGTCAAT AAGGTACTGC TAGTTGAACA GCTCTCCGC AAGGAGTTCC  
 AACCAATTCTT GAAGAAATGG TATCGTGTGTT TTGGATTAAG TGGTGATACC  
 CAACTGAAAA TATCATTTC CAGTACAGCT CAAATCCTTG AAAACTCCCT CTTAAACTTG GAAAATGGAG  
 AAGATGCTGG TGTTCAATTG TCAGACTTTT CCCTCATTAT CATTGATGAA  
 TGTCATCACA CCAACAAAGA AGCAGTGTAT AATAACATCA TGAGGCATTA  
 TTTGATGCAG AAGTTGAAAA ACAATAGACT CAAGAAAGAA AACAAACCAAG  
 TGATTCCCCT TCCTCAGATA CTGGGACTAA CAGCTTCACC TGGTGTGG  
 GGGGCCACGA AGCAAGCCAA AGCTGAAGAA CACATTTAA AACTATGTGC  
 CAATCTTGAT GCATTACTA TTAAAACGT TAAAGAAAAC CTTGATCAAC  
 TGAAAAACCA AATACAGGAG CCATGCAAGA AGTTTGCCAT TGAGATGCA  
 ACCAGAGAAG ATCCATTAA AGAGAAACTT CTAGAAATAA TGACAAGGAT  
 TCAAACATTAT TGTCAAATGA GTCCAATGTC AGATTTGGA ACTCAACCCT  
 ATGAACAATG GGCCATTCAA ATGGAAAAAA AAGCTGCAA AGAAGGAAAT  
 CGCAAAGAAC GTGTTGTGC AGAACATTG AGGAAGTACA ATGAGGCCCT  
 ACAAAATTAT GACACAATTG GAATGATAGA TGCCTATACT CATCTTGAAA  
 CTTTCTATAA TGAAGAGAAA GATAAGAAGT TTGCAGTCAT AGAAGATGAT  
 AGTGATGAGG GTGGTGATGA TGAGTATTGT GATGGTGATG AAGATGAGGA  
 TGATTAAAG AACACCTTGA AACTGGATGA AACAGATAGA TTTCTCATGA  
 CTTTATTCTT TGAAAACAAT AAAATGTTGA AAAGGCTGGC TGAAAACCCA

GAATATGAAA ATGAAAAGCT GACCAAATTA AGAAATACCA TAATGGAGCA  
ATATACTAGG ACTGAGGAAT CAGCACGAGG AATAATCTT ACAAAAACAC  
GACAGAGTGC ATATGCGCTT TCCCAGTGGG TTACTGAAA TGAAAATTT  
GCTGAAGTAG GAGTCAAAGC CCACCATCTG ATTGGAGCTG GACACAGCAG  
TGAGTTCAAA CCCATGACAC AGAATGAACA AAAAGAAGTC ATTAGTAAAT  
TTCGCACCTGG AAAAATAAAT CTGCTTATCG CTACCACAGT GGCAGAAGAA  
GGTCTGGATA TTAAAGAATG TAACATTGTT ATCCGTTATG GTCTCGTCAC  
CAATGAAATA GCCATGGTCC AGGCCCGTGG TCGAGCCAGA GCTGATGAGA  
GCACCTACGT CCTGGTTGCT CACAGTGGTT CAGGAGTTAT CGAACGTGAG  
ACAGTTAATG ATTTCCGAGA GAAGATGATG TATAAAGCTA TACATTGTGT  
TCAAAATATG AAACCAGAGG AGTATGCTCA TAAGATTTG GAATTACAGA  
TGCAAAGTAT AATGGAAAAG AAAATGAAAAA CCAAGAGAAA TATTGCCAAG  
CATTACAAGA ATAACCCATC ACTAATAACT TTCCTTGCA AAAACTGCAG  
TGTGCTAGCC TGTTCTGGGG AAGATATCCA TGTAATTGAG AAAATGCATC  
ACGTCAATAT GACCCAGAA TTCAAGGAAC TTTACATTGT AAGAGAAAAC  
AAAGCACTGC AAAAGAAGTG TGCGACTAT CAAATAAATG GTGAAATCAT  
CTGCAAATGT GGCCAGGCTT GGGGAACAAT GATGGTGCAC AAAGGCTTAG  
ATTTGCCCTTG TCTCAAAATA AGGAATTGG TAGTGGTTT CAAAATAAT  
TCAACAAAGA AACAAATACAA AAAGTGGGTA GAATTACCTA TCACATTTCC  
CAATCTTGAC TATTAGAAT GCTGTTATT TAGTGATGAG GATTAGCACT  
TGATTGAAGA TTCTTTAAA ATACTATCAG TTAAACATT AATATGATTA  
TGATTAATGT ATTCAATTATG CTACAGAACT GACATAAGAA TCAATAAAAT  
GATTGTTTA CTCTGCATTG AACTCTTTT AAGAACACAA TATATTATGC  
ATTATCCATC TTATTGTTGG GCAGAGGTAA GGAAAATCTA CCAATAATT  
TCATTAGTGT GGAGCATTAT AGTCCTGTGG AAAGAATGCT GAAGTACAAA  
TGAGAATCCA AAGTACCAAGT CTCAGTTCTG TCACTAATT TCAAGAATAA  
ATTAGGCAA TCAGTTCAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAAAA  
AAAAAAAAAA AAAAAAAAAA AAAAAAA

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FIGURE 10

MSNGYSTDEN FRYLISCFRA RVKMYIQVEP VLDYLTFPA EVKEQIQRTV  
ATSGNMQAVE LLLSTLEKGV WHLGWTREFV EALRRTGSPL AARYMNPELT  
DLPSPSFENA HDEYLQLLNL LQPTLVDKLL VRDVLDKCME EELLTIEDRN  
RIAAAENNGN ESGVRELLKR IVQKENWFSA FLNVLRQTGN NELVQELTGS  
DCSESNAEIE NLSQVDGPQV EEQLLSTTVQ PNLEKEWGM ENNSSESSFA  
DSSVVSESDT SLAEGSVSCL DESLGHNSNM GSDSGTMGSD SDEENVAARA  
SPEPELQLRP YQMEVAQPAL EGKNIIICLP TGSGKTRVAV YIAKDHLKK  
KKASEPGKVI VLVNKVLLVE QLFRKEFQPF LKKWYRVIGL SGDTQLKISF  
PEVVKSCDII ISTAQILENS LLNLNGEDA GVQLSDFSLI IIDECHHTNK  
EAVYNNIMRH YLMQKLKNR LKKENKPVIP LPQILGLTAS PGVGGATKQA  
KAEEHILKLC ANLDAFTIKT VKENLDQLKN QIQEPCKKFA IADATREDPF  
KEKLLEIMTR IQTYCQMSPM SDFGTQPYEQ WAIQMEKAA KEGNRKERV  
AEHLRKYNEA LQINDTIRMI DAYTHLETFY NEEKDKKFAV IEDDSDEGGD  
DEYCDGDEDE DDLKKPLKLD ETDRFLMTLF FENNKMLKRL AENPEYENEK  
LTKLRNTIME QYTRTEESAR GIIFTKTRQS AYALSQWITE NEKFAEVGVK  
AHHLIGAGHS SEFKPMTQNE QKEVISKFRG GKINLLIATT VAAEGLDIKE  
CNIVIRYGLV TNEIAMVQAR GRARADESTY VLVAHSGSGV IERETVNDFR  
EKMMYKAIHC VQNMKPEEYA HKILELQMOS IMEKKMKTFR NIAKHYKNP  
SLITFLCKNC SVLACSGEDI HVIEKMHVN MTPEFKELYI VRENKALQKK  
CADYQINGEI ICKCGQAWGT MMVHKGLDLP CLKIRNFVVV FKNNSTKKQY  
KKWVELPITF PNLDYSECCL FSDED•

FIGURE 11

GCGCGCCGGC CTGAGAGCCC TGTGGACAAC CTCGTCATTG TCAGGCACAG  
 AGCGGTAGAC CCTGCTTCTC TAAGTGGCA GCGGACAGCG GCACGCACAT  
 TTCACCTGTC CCGCAGACAA CAGCACCATC TGCTTGGGAG AACCCCTCTCC  
 CTTCTCTGAG AAAGAAAGAT GTCGAATGGG TATTCCACAG ACGAGAATT  
 CCGCTATCTC ATCTCGTGCT TCAGGGCCAG GGTGAAAATG TACATCCAGG  
 TGGAGCCTGT GCTGGACTAC CTGACCTTTC TGCCCTGCAGA GGTGAAGGAG  
 CAGATTAGA GGACAGTCGC CACCTCCGGG AACATGCAGG CAGTTGAACT  
 GCTGCTGAGC ACCTTGGAGA AGGGAGTCTG GCACCTTGGT TGGACTCGGG  
 AATTCTGTGGA GGCCCTCCGG AGAACCGGCA GCCCTCTGGC CGCCCGCTAC  
 ATGAACCCCTG AGCTCACCGA CTTGCCCTCT CCATCGTTG AGAACGCTCA  
 TGATGAATAT CTCCAACACTGC TGAACCTCCT TCAGCCCCACT CTGGTGGACA  
 AGCTTCTAGT TAGAGACGTC TTGGATAAGT GCATGGAGGA GGAACTGTTG  
 ACAATTGAAG ACAGAAACCG GATTGCTGCT GCAGAAAACA ATGGAAATGA  
 ATCAGGTGTA AGAGAGCTAC TAAAAAGGAT TGTGCAGAAA GAAAACCTGGT  
 TCTCTGCATT TCTGAATGTT CTTCGTCAAA CAGGAAACAA TGAACCTGTC  
 CAAGAGTTAA CAGGCTCTGA TTGCTCAGAA AGCAATGCAG AGATTGAGAA  
 TTTATCACAA GTTGATGGTC CTCAAGTGGA AGAGCAACTT CTTTCAACCA  
 CAGTTCAGCC AAATCTGGAG AAGGAGGTCT GGGGCATGGA GAATAACTCA  
 TCAGAATCAT CTTTGCAGA TTCTCTGTA GTTTCAGAAT CAGACACAAAG  
 TTTGGCAGAA GGAAGTGTCA GCTGCTTAGA TGAAAGTCTT GGACATAACA  
 GCAACATGGG CAGTGATTCA GGCACCATGG GAAGTGATTC AGATGAAGAG  
 AATGTGGCAG CAAGAGCATC CCCGGAGCCA GAACTCCAGC TCAGGCCTTA  
 CCAAATGGAA GTTGCCCAGC CAGCCTTGGA AGGGAAGAAT ATCATCATCT  
 GCCTCCCTAC AGGGAGTGGA AAAACCAGAG TGGCTGTTA CATTGCCAAG  
 GATCACTTAG ACAAGAAGAA AAAAGCATCT GAGCCTGGAA AAGTTATAGT  
 TCTTGTCAAT AAGGTACTGC TAGTTGAACA GCTCTTCCGC AAGGAGTTCC  
 AACCATTTTT GAAGAAATGG TATCGTGTGTTA TTGGATTAAG TGGTGTACCC  
 CAACTGAAAA TATCATTCC AGAAGTTGTC AAGTCCTGTG ATATTATTAT  
 CAGTACAGCT CAAATCCTG AAAACTCCCT CTTAAACTTG GAAAATGGAG  
 AAGATGCTGG TGTCAATTG TCAGACTTTT CCCTCATTAT CATTGATGAA  
 TGTCATCACA CCAACAAAGA AGCAGTGTAT AATAACATCA TGAGGCATTA  
 TTTGATGCAG AAGTTGAAAA ACAATAGACT CAAGAAAGAA AACAAACCAG  
 TGATTCCCT TCCTCAGATA CTGGGACTAA CAGCTTCACC TGGTGTGGA  
 GGGGCCACGA AGCAAGCCAA AGCTGAAGAA CACATTTAA AACTATGTGC

CAATCTTGAT GCATTTACTA TTAAAACGT TAAAGAAAAC CTTGATCAAC  
TGAAAAACCA AATACAGGAG CCATGCAAGA AGTTTGCCAT TGCAGATGCA  
ACCAGAGAAG ATCCATTAA AGAGAAACTT CTAGAAATAA TGACAAGGAT  
TCAAACTTAT TGTCAAATGA GTCCAATGTC AGATTTGGA ACTCAACCCT  
ATGAACAAATG GGCCATTCAA ATGGAAAAAA AAGCTGAAA AGAAGGAAAT  
CGCAAAGAAC GTGTTGTGC AGAACATTG AGGAAGTACA ATGAGGCCCT  
ACAAATTAAT GACACAATTG GAATGATAGA TGCCTATACT CATCTTGAAA  
CTTTCTATAA TGAAGAGAAA GATAAGAAGT TTGCAGTCAT AGAAGATGAT  
AGTGATGAGG GTGGTGATGA TGAGTATTGT GATGGTGATG AAGATGAGGA  
TGATTAAAG AAACCTTGA AACTGGATGA AACAGATAGA TTTCTCATGA  
CTTTATTTTG TGAAAACAAT AAAATGTTGA AAAGGCTGGC TGAAAACCCA  
GAATATGAAA ATGAAAAGCT GACCAAATTA AGAAATACCA TAATGGAGCA  
ATATACTAGG ACTGAGGAAT CAGCACGAGG AATAATCTT ACAAAAACAC  
GACAGAGTGC ATATGCGCTT TCCCAGTGGA TTACTGAAAA TGAAAATTT  
GCTGAAGTAG GAGTCAAAGC CCACCATCTG ATTGGAGCTG GACACAGCAG  
TGAGTTCAAA CCCATGACAC AGAATGAACA AAAAGAAGTC ATTAGTAAAT  
TTCGCACTGG AAAAATAAAT CTGCTTATCG CTACCACAGT GGCAGAAGAA  
GGTCTGGATA TTAAAGAATG TAACATTGTT ATCCGTTATG GTCTCGTCAC  
CAATGAAATA GCCATGGTCC AGGCCCGTGG TCGAGCCAGA GCTGATGAGA  
GCACCTACGT CCTGGTTGCT CACAGTGGTT CAGGAGTTAT CGAACATGAG  
ACAGTTAATG ATTTCCGAGA GAAGATGATG TATAAGCTA TACATTGTGT  
TCAAATATG AAACCAAGAGG AGTATGCTCA TAAGATTTG GAATTACAGA  
TGCAAAGTAT AATGGAAAAG AAAATGAAAA CCAAGAGAAA TATTGCCAAG  
CATTACAAGA ATAACCCATC ACTAATAACT TTCCTTGCA AAAACTGCAG  
TGTGCTAGCC TGTTCTGGGG AAGATATCCA TGTAATTGAG AAAATGCATC  
ACGTCAATAT GACCCAGAA TTCAAGGAAC TTTACATTGT AAGAGAAAAC  
AAAGCACTGC AAAAGAAGTG TGCCGACTAT CAAATAAATG GTGAAATCAT  
CTGCAAATGT GGCCAGGCTT GGGGAACAAT GATGGTGCAC AAAGGCTTAG  
ATTTGCCTTG TCTCAAATAA AGGAATTTG TAGTGGTTTT CAAAATAAT  
TCAACAAAGA AACAAATACAA AAAGTGGTA GAATTACCTA TCACATTCC  
CAATCTTGAC TATTCAGAAT GCTGTTATT TAGTGATGAG GATTAGCACT  
TGATTGAAGA TTCTTTAAA ATACTATCAG TTAAACATTT AATATGATTA  
TGATTAATGT ATTCATTATG CTACAGAACT GACATAAGAA TCAATAAAAT  
GATTGTTTA CTCTG

## FIGURE 12

MSNGYSTDEN FRYLISCFRA RVKMYIQVEP VLDYLTFILPA EVKEQIQRTV  
ATSGNMQAVE LLLSTLEKGV WHLGWTREFV EALRRTGSPL AARYMNPELT  
DLPSPSFENA HDEYLQLLNL LQPTLVDKLL VRDVLDKCME EELLTIEDRN  
RIAAAENNGN ESGVRELLKR IVQKENWFSA FLNVLRQTGN NELVQELTGS  
DCSESNAEIE NLSQVDGPQV EEQLLSTTVQ PNLEKEVWGM ENNSSESSFA  
DSSVVSESDT SLAEGSVSCL DESLGHNSNM GSDSGTMGSD SDEENVAARA  
SPEPELQLRP YQMEVAQPAL EGKNIIICLP TGSGKTRVAV YIAKDHLDKK  
KKASEPGKVI VLVNKVLLVE QLFRKEFQPF LKKWYRVIGL SGDTQLKISF  
PEVVKSCDII ISTAQILENS LLNLNGEDA GVQLSDFSLI IIDECHHTNK  
EAVYNNIMRH YLMQKLKNR LKKENKPVIP LPQILGLTAS PGVGGATKQA  
KAEEHILKLC ANLDAFTIKT VKENLDQLKN QIQEPCKKFA IADATREDPF  
KEKLLEIMTR IQTYCQMSPM SDFGTQPYEQ WAIQMEKAA KEGNRKERVC  
AEHLRKYNEA LQINDTIRMI DAYTHLETFY NEEKDKKFAV IEDDSDEGGD  
DEYCDGDEDE DDLKKPLKLD ETDRFLMTLF FENNKMLKRL AENPEYENEK  
LTKLRNTIME QYTRTEESAR GIIFTKTRQS AYALSQWITE NEKFAEVGVK  
AHHLIGAGHS SEFKPMTQNE QKEVISKFRG GKINLLIATT VAEEGLDIKE  
CNIVIRYGLV TNEIAMVQAR GRARADESTY VLVAHSGSGV IEHETVNDFR  
EKMMYKAIHC VQNMKPEEYA HKILELQMOS IMEKKMKTFR NIAKHYKNP  
SLITFLCKNC SVLACSGEDI HVIEKMHVN MTPEFKELYI VRENKALQKK  
CADYQINGEI ICKCGQAWGT MMVHKGLDLP CLKIRNFVVV FKNNSTKKQY  
KKWVELPITF PNLDYSECCL FSDED•